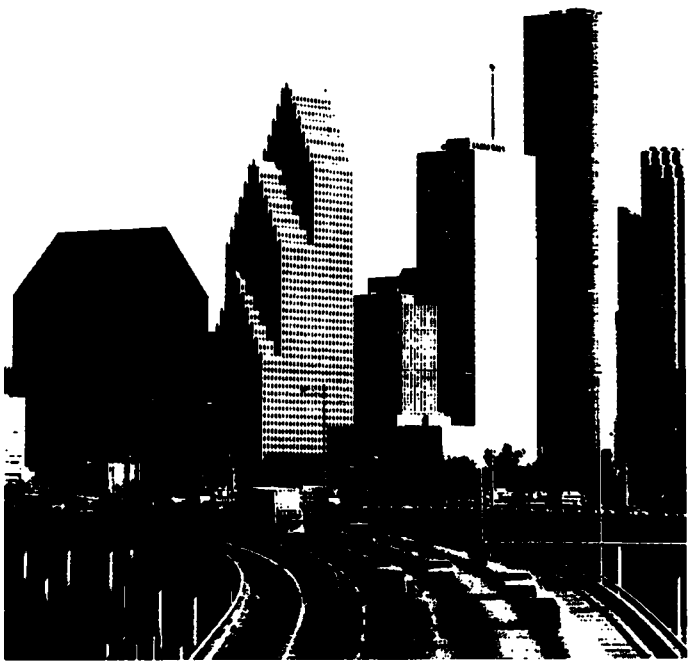
SONY



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Cordless Telephone

Operating Instructions

SPP-77/97

Before you start using your telephone:
Make connections (see page 9).
Install the battery pack into your handset and charge the battery pack (see page 10).
Set the DIAL MODE selector to match your phone service (see page 12).

Owner's record

The model and serial numbers are located at the bottom of the base unit and the handset.
Record the serial number in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding the product.

Model No. SPP-77/97 Serial No. _____

Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture.
To avoid electrical shock, do not open the cabinet.
Refer servicing to qualified personnel only.

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tube, in a wet basement or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.

8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by people walking on it.

9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.

11. To reduce the risk of electric shock, do not disassemble this product, take it to a qualified service personnel when some service or repair work is required. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect re-assembly can cause electric shock when the appliance is subsequently used.

12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the product.
    C. If the product has been exposed to rain or water.
    D. If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
    E. If the product has been dropped or the cabinet has been damaged.
    F. If the product exhibits a distinct change in performance.

13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

14. Do not use the telephone to report a gas leak in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION: TO REDUCE THE RISK OF FIRE OR INJURY TO PERSONS BY BATTERY, READ AND FOLLOW THESE INSTRUCTIONS.

1. Use only the following type and size battery pack: SONY BP-T40
2. Do not dispose of the battery pack in a fire. The cell may explode. Check your local codes for possible special disposal instructions.
3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling battery in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in the instruction manual provided for this product.
6. Observe proper polarity orientation between the battery pack and battery charger.

Warning

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Precautions

- Before initial use, insert the rechargeable battery into the battery compartment of the handset and charge for more than 10 hours.
- Operate the AC power adaptor on 120 V AC, 60 Hz.
- Use the AC power adaptor supplied for this unit. Do not use any other AC power adaptor.
- Do not install the base unit in a location near a heat source such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
- Do not place the base unit on or near a TV set or computer to avoid interference.
- Should any liquid of solid object fall onto the base unit, immediately unplug the unit and have it checked by qualified personnel before operating the phone any further.
- This telephone is designed and approved for single party lines only. It should not be connected to multiple lines or a coin operated telephone.

If you have any question or problem concerning your telephone that is not covered in this manual, please consult the nearest Sony Service Center authorized to service telephone terminal equipment.

Safety Regulations

SERVICE REQUIREMENTS

If your cordless telephone model should malfunction, all repairs will be performed by an authorized Sony Service Center This unit has been registered within the FCC for direct connection to the telephone network. Under the FCC program, no customer is authorized to repair this unit. This applies to a unit in and out of warranty. If an unauthorized repair is performed, the registration of the unit for direct connection to the network will be null and void. If the unit is still in warranty, the remainder of the warranty period will also be null and void. It is responsibility of users requiring service to report the need for service to their Sony dealer.

IMPORTANT INSTRUCTIONS TO USERS

Your cordless telephone has been approved by the Federal Communications Commission (FCC) as not being harmful to the telephone network when connected directly to the telephone lines. In order to fully comply with the Rules of the FCC, the following instructions should be read carefully and followed completely where applicable:

1. The FCC rules require that all direct connection to the telephone lines must be made through standard plugs and jacks. No connection can be made to party lines or coin lines. Prior to connecting your device to the lines:

a) Upon request from your telephone company, you must provide the 14 digit FCC Registration Number and Ringer Equivalence Number, both of which are on a label located on an outer surface of the device.

b) After the telephone company has installed the jack, you can connect your cordless telephone by inserting the mating plug of your equipment into this jack.

c) All repairs must be accomplished as described in the "Service requirements".

d) The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.

2. If it appears that your cordless telephone is malfunctioning, it should be disconnected from the telephone line until it can be determined whether your cordless telephone is the source of the trouble or not. If your machine needs repair, it should not be re-connected until such repairs have been made.
3. If harm does occur, the telephone company shall, where practicable, notify you, the customer, that temporary discontinuance of service may be required; however, where prior notice is not practical, the telephone company may temporarily discontinue service forthwith, if such action is reasonable in circumstances. In case of such temporary discontinuance, the telephone company shall, where practicable, notify you, the customer, that temporary discontinuance of service may be required; however, where prior notice is not practical, the telephone company may temporarily discontinue service forthwith, if such action is reasonable in circumstances. In case of such temporary discontinuance, the telephone company shall, (1) promptly notify you, the customer, of such temporary discontinuance (2) afford you, the customer, the opportunity to correct the situation which gave rise to the temporary discontinuance, and (3) inform you, the customer, of your right to bring a complaint to the Commission pursuant to the procedures set forth in the Rules. Procedures for filling the complaints can be obtained from your local dealer, or if necessary, by writing directly to the manufacturer.

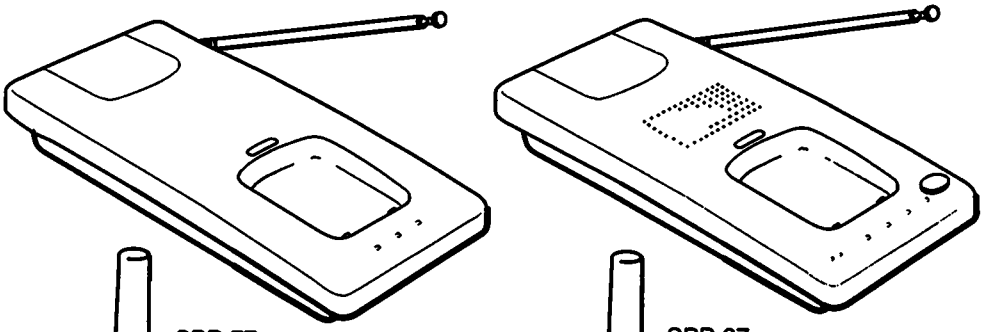
IMPORTANT NOTICE

Warning: This telephone operates as a radio transmitter. Conversations over this cordless telephone may be heard by others on radios within the area of its range of transmission.

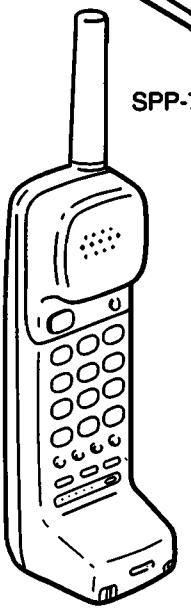
Packing List

About this manual
This manual includes information on two Cordless telephones, the SPP-77 and SPP-97. First, refer to the model name indicated on the top panel of the base unit and check what your model is. Any differences in appearance or operation of the two models are clearly indicated in the text, for example, "For SPP-97 only". However, note that the illustrations used in this manual are those of the SPP-97

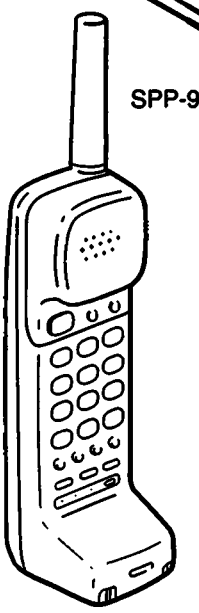
Base unit



SPP-77



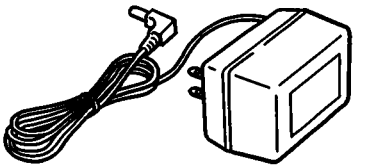
SPP-97



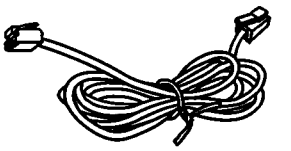
Code table label

Handset

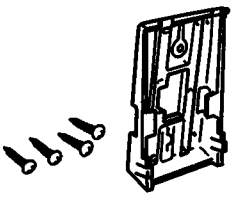
AC power adaptor (AC-T37)



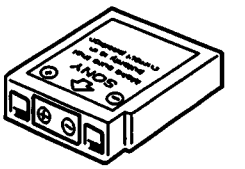
Telephone line cord



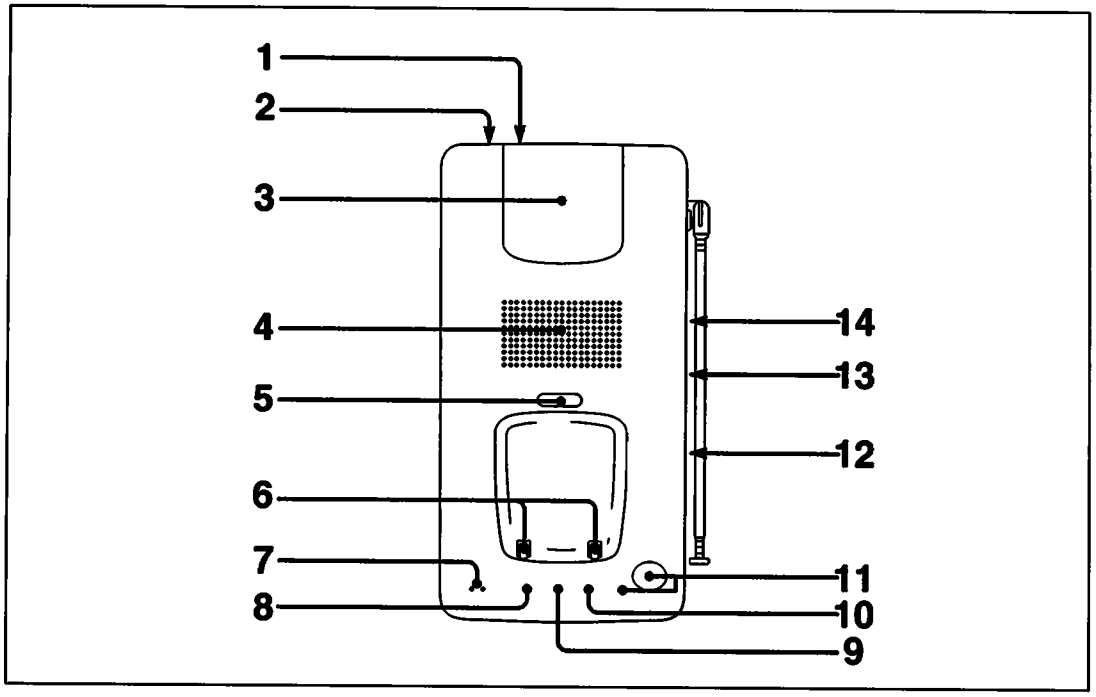
Wall bracket and screws



Rechargeable battery pack (BP-T40)



Overview



Base Unit

1 **DC IN 9V jack**
This is where you plug in the AC adapter.

2 **TEL (telephone) LINE jack**
This is where you plug in the line from the telephone.

3 **Handset hanger hook (inside of cover)**

4 **Speaker (SPP-97 only)**

5 **PAGE button (SPP-77)**
Call the handset.

INTERCOM button (SPP-97)
Press to communicate with the handset.

6 **Charge terminals**
These contact with the terminals on the handset to charge the battery.

7 **MIC (microphone) (SPP-97 only)**

8 **POWER lamp**
Lights when power is supplied to the base unit.

9 **LINE lamp**
Lights when the telephone line is engaged.

10 **CHARGE lamp**
Lights when the handset is properly charged on the base unit.

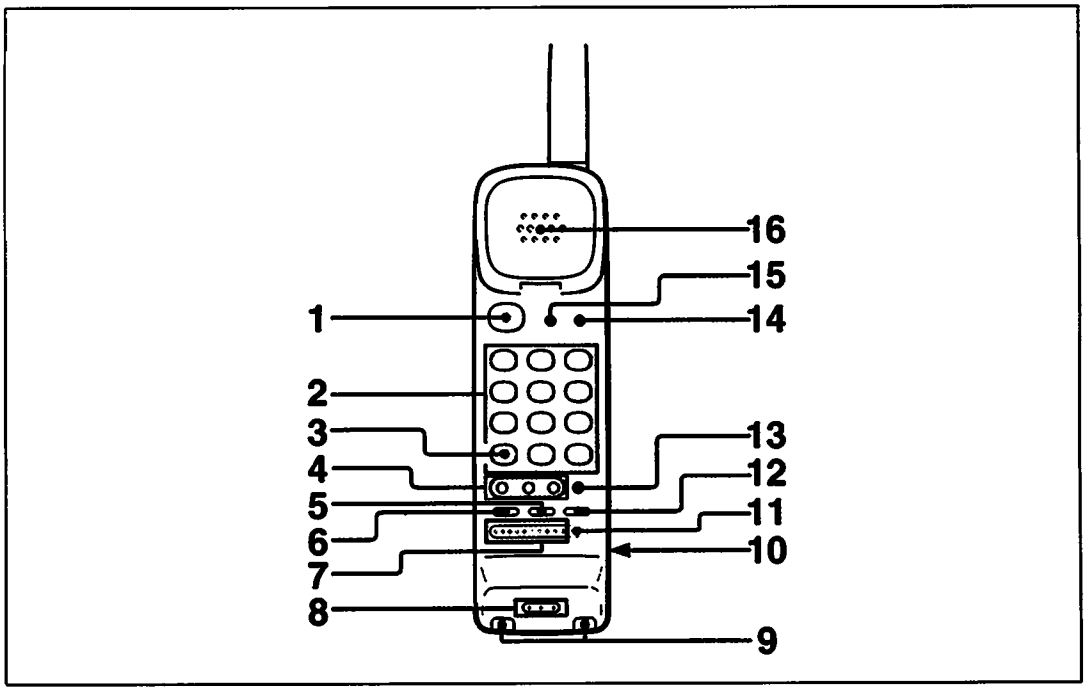
11 **SPEAKERPHONE button/lamp (SPP-97 only)**
Allows you to receive calls at the base unit.

12 **SPEAKER VOL (volume) control (SPP-97 only)**
Use to control the volume of the speaker.

13 **RINGER selector (SPP-97 only)**
Use to control the volume of the ringer. There are three settings: H (high), L (low), and OFF.

14 **DIAL MODE selector**

Overview



Handset

1 TALK button
Press to answer the phone, make a call, or disconnect the line after a phone call. The button lights when in use.

2 Dialing keys
The keys light when you dial.

3 TONE button
Temporarily switches the phone from pulse to tone dialing.

4 ONE-TOUCH DIALING buttons

5 MUTE button
Press to keep you from being heard by the other party on the line.

6 VOL (volume)/PGM (program) button
Press to:
- Change the volume of the handset.
- Program the telephone for memory dialing.

7 Multi-indicator lamps
Light to:
- Show the strength of the battery.
- Show the telephone number being dialed.
- Show the selected channel.
- Confirm the memory dial number.

8 Microphone

9 Charge terminals
These come into contact with the terminals on the base unit to charge the battery.

10 Mode switch
- Set to RING ON to turn the ringer on.
- Set to BATTERY SAVE to turn the ringer off and conserve battery power.

11 CHANNEL button
Allows you to select the best channel for optimum reception.

12 REDIAL/PAUSE button
Press to:
- Redial the last number called.
- Inserts a pause in the dialing sequence.

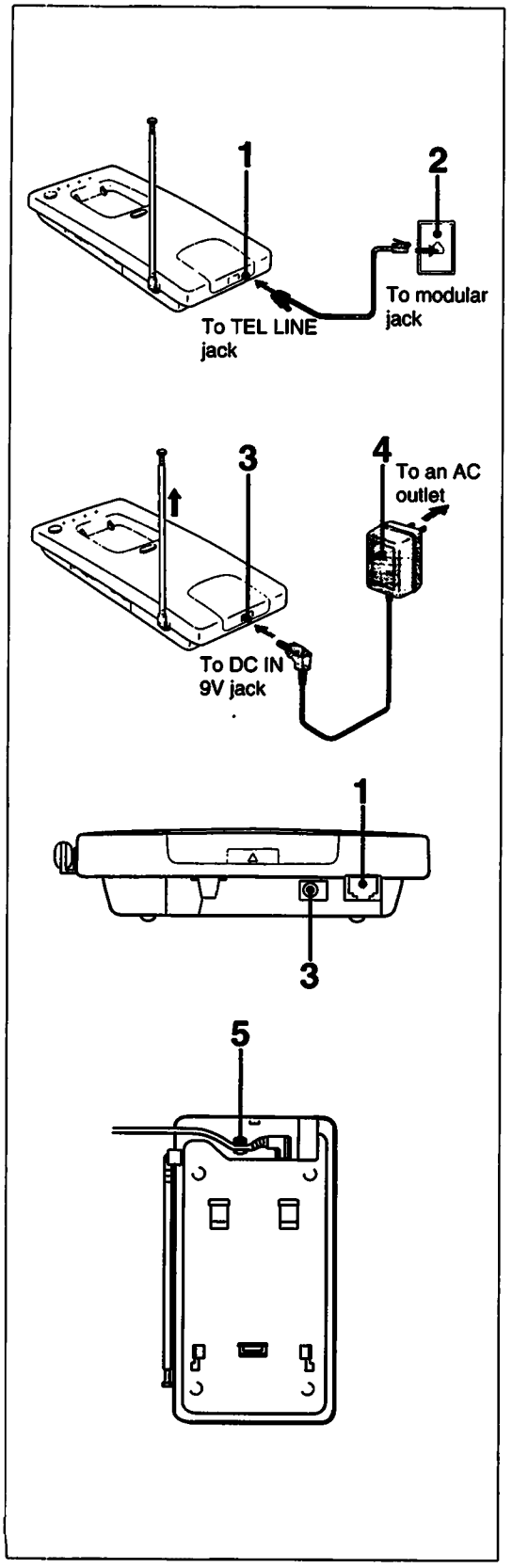
13 RECALL button
Press when using memory dialing.

14 FLASH button
- Press to switch parties when using call waiting.
- Press to disconnect and place a new call.

15 INTERCOM button (SPP-97 only)
Press to communicate with base unit.

16 Speaker

Making Connections



Before doing this procedure, make sure there is a modular telephone jack in the room or office where you will install the telephone. If there is no modular jack, contact your telephone company and ask them for assistance.

1 Connect one end of the telephone line cord to the base unit.

2 Connect the other end of the telephone line cord to the modular jack on the wall.

3 Connect the plug of the AC power adapter to the DC IN 9V jack on the base unit.

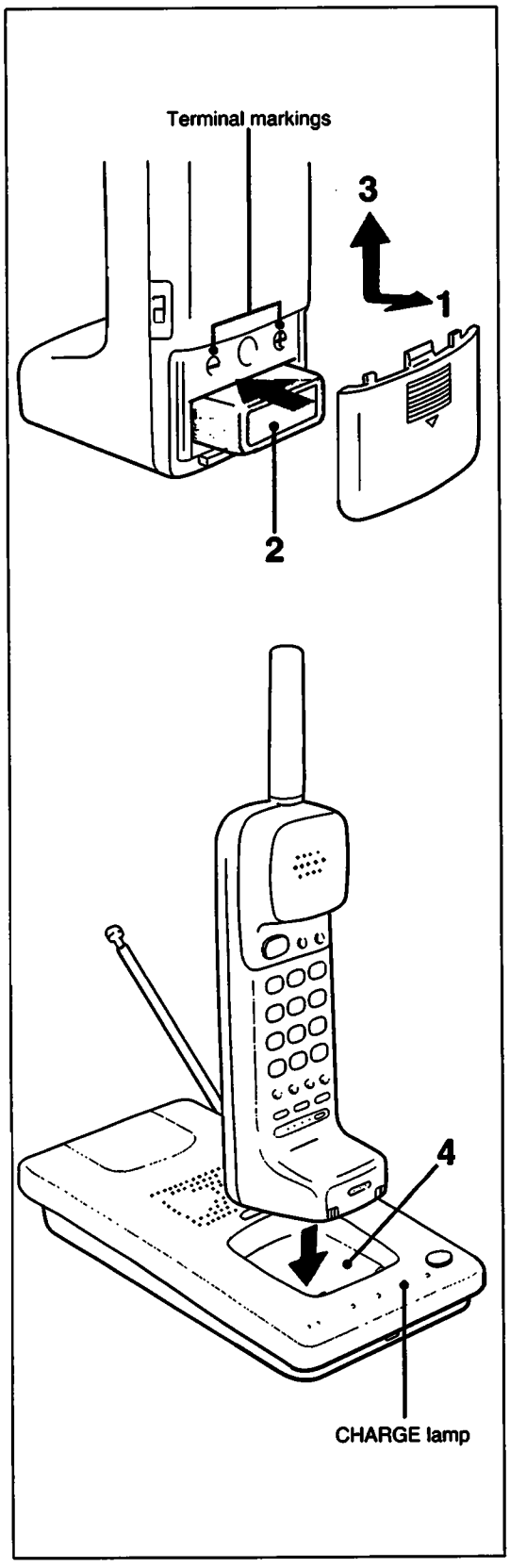
4 Plug the AC power adapter into an AC outlet.

5 To avoid accidentally disconnecting the AC power adapter plug from the base unit, fit the cord of the adapter into the groove on the bottom of the base unit.

Notes

- Connect the AC power adaptor to continuous power supply. If the telephone is connected to an AC wall outlet where power is cut off every night, the battery pack will not be charged, the digital security code and all programmed numbers will be lost from memory. (Even if the handset is on the base, when the power is turned off, not only will the battery pack not be charged, but the digital security code and programmed numbers may be lost.)
- If the digital security memory is lost, charge the handset battery on the base unit with the handset in the RING ON mode (see page 16).
- For details on how to hang the telephone on the wall, see page 27.

Charging the Battery



IMPORTANT!
Before initial use, charge the supplied battery pack for more than 10 hours.

1 **Remove the battery compartment lid by pushing it downward.**

2 **Insert the battery pack into the battery compartment.**

3 **Replace the battery compartment lid by pushing it upward.**

4 **Place the handset on the base unit and charge the battery pack for more than 10 hours.**

The CHARGE lamp lights when the handset is fully seated onto the charge terminals of the base unit.

Notes

- The battery pack supplied uses a lead acid battery, and therefore you do not have to worry about the "memory effect" which repeated partial discharge and recharge of nickel-cadmium batteries can produce. It is recommended that you charge the battery pack as often as possible.
- If the handset battery pack has been completely discharged, you will not be able to recharge it back to its full capacity by a single charge.
- The battery pack will gradually discharge by itself over a long period of time even if you do not use it.

When to Charge the Battery

Recharge periodically
As long as the handset is placed back on the base unit after each call, the battery will be recharged continuously.
The lead acid battery used in this set works best when recharged often. Leaving the battery discharged for an extended period of time can damage it. Please take the following precautions:
- In the RING ON mode, charge the battery for 10 hours every 7 days, or whenever you hear the low battery alarm.
- In the BATTERY SAVE mode, charge the battery for at least 10 hours every month, or whenever you hear the low battery alarm.

Battery duration
The battery duration is approximately 170 hours (7 days) in the standby mode.
If talking continuously on the handset, the duration is approximately 12 hours.

Battery condition
When TALK of the handset is pressed, the multi-indicator lamps will light up and show the battery condition.

Battery condition	Multi-indicator lamps
Battery has full power	● ● ● ● ● ● ● ● ● ●
Battery has some power left (It is about time for recharging)	● ● ● ● ●
Battery needs recharging (Charge the battery pack for 10 hours)	● ●
Battery is out of power	

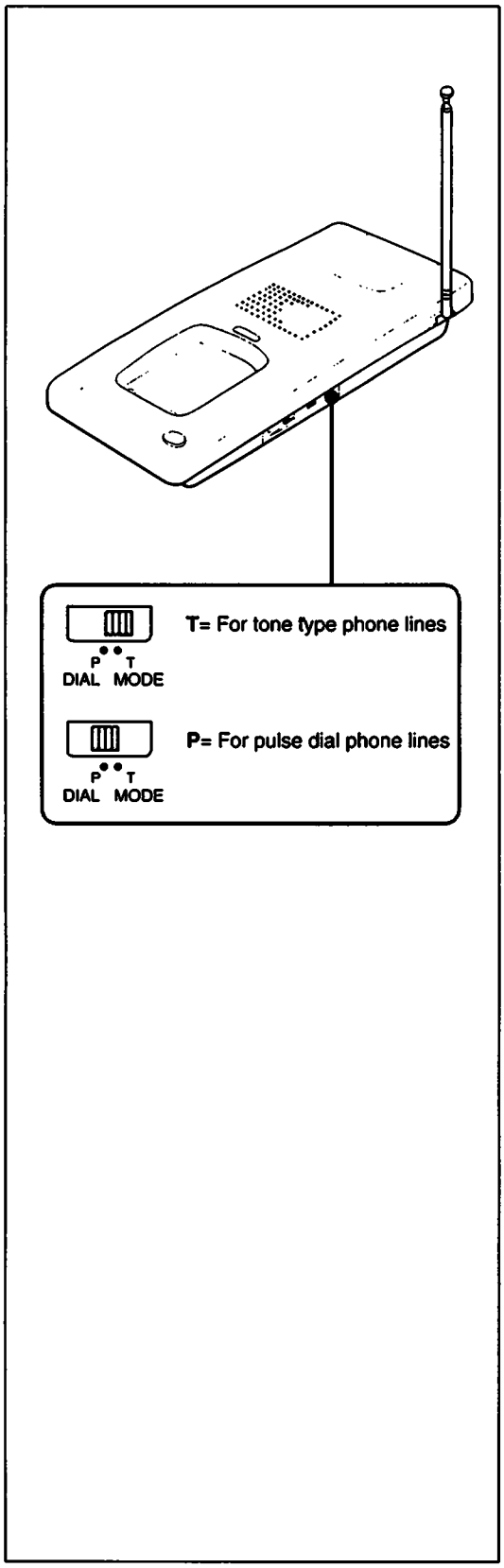
If the handset battery becomes weak
- A beep tone will be heard every 3 seconds during conversation and the call will be disconnected after one minute.
- A beep tone will be heard every 3 seconds for 15 seconds during programming, etc. (not during conversation).
- Two of the multi-indicator lamps at far left will start to flash at the same time when the beep tone is heard.

How to Determine Battery Damage

Damaged batteries will not take a charge. To determine whether your battery is damaged, put the handset on the base unit for over 10 hours. Then press TALK to see how many multi-indicator lamps light up. If only a few or none of the lamps light, your battery is damaged. See your retailer or contact a Sony Service Center for a replacement of battery.

Notes
- If the battery becomes completely discharged, the digital security codes will be erased and all programmed numbers will be lost from memory. To reprogram, first charge the battery. Set the handset to the RING ON mode and place the handset on the base unit for more than 10 hours. You need to charge a fully discharged battery a number of times before it is recharged to its full capacity.
- When leaving the handset unused and away from the base unit for more than a month, take the battery out of the handset. In this case, the digital security code and other programmed numbers will be erased. To resume use, recharge the battery and reprogram the security code and other numbers.

Selecting Tone/Pulse Dialing



Before making calls with the telephone, you have to set the DIAL MODE selector to match the type of telephone line:

- Set to "T" for tone dialing systems.
- Set to "P" for pulse dialing systems.

If you don't know what dialing system is used for your line, do the following procedure. This will help you determine which setting to use.

1 **Make sure the DIAL MODE selector on the base unit is set to T (tone).**

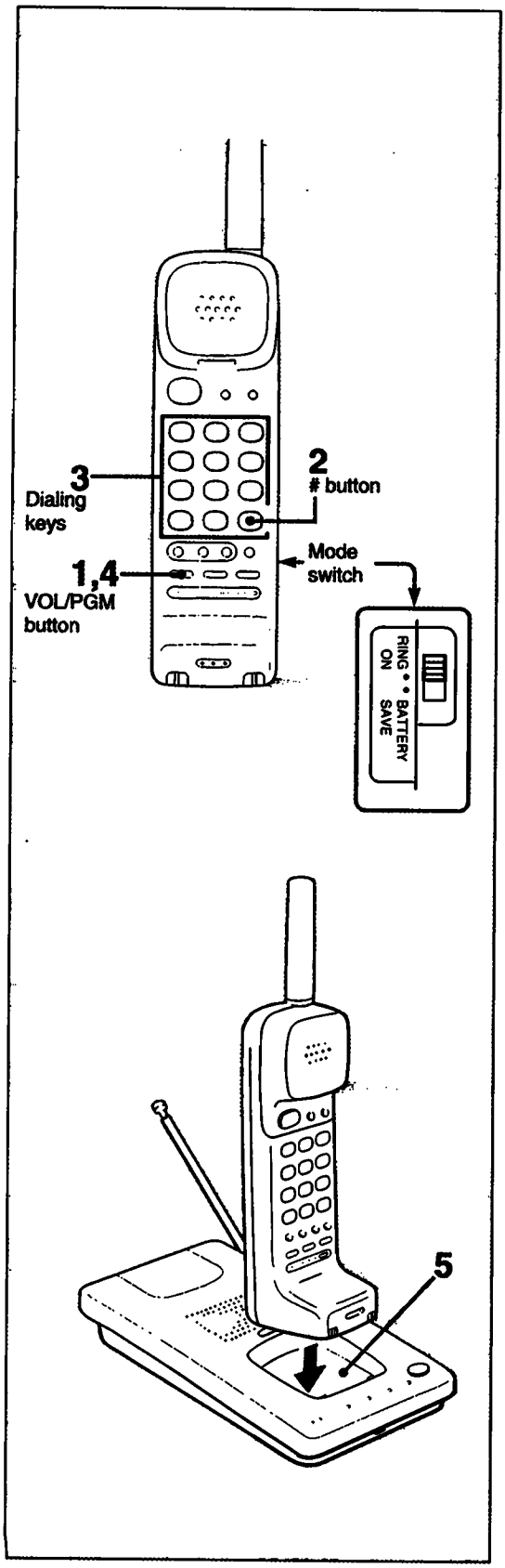
2 **Make a trial call. For details on making calls, see page 14.**

3 **If the call goes through, leave the selector set to T (tone).**

or

If the call doesn't go through, set the selector to P (pulse).

Programming the Security Code



The first time you charge the battery pack, a random security code is automatically assigned between the base unit and the handset. Only a handset which has this unique security code can make calls through the base unit. This system prevents the possibility of other cordless telephone handsets to make calls through your base unit.

You normally do not need to change the security code. However, in the unlikely event that another cordless phone uses the same security code, you can manually change the code by following the procedures described below.

(This procedure will change the code in both the base unit and the handset. The code can be changed as often as desired.)

Make sure that the mode switch is set to the RING ON position.

1 Press VOL/PGM.

One of the multi-indicator lamps starts blinking.

2 Press #.

The telephone beeps once to indicate that it is ready to program the code.

3 Press the dialing keys to enter a three-digit number between 001 and 299.

The corresponding indicator lamps light as you press each button to show the code that you are entering.

4 Press VOL/PGM.

The telephone beeps to confirm that the code has been successfully entered.

If you entered any other number outside of the range described in step 3, the telephone beeps five times to show that the security code has not been entered. If this happens, start the procedure over again from step 1.

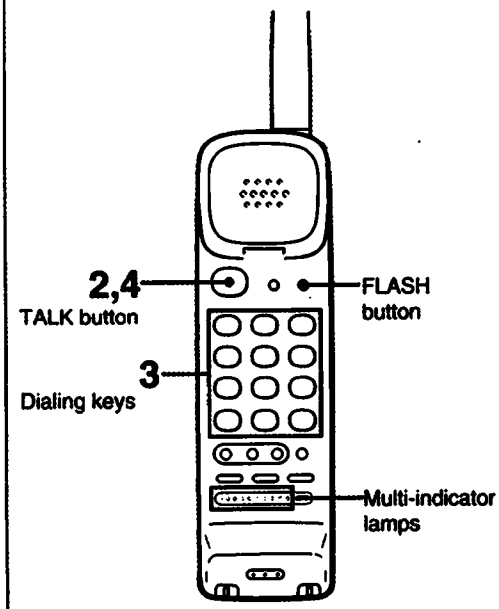
5 Immediately place the handset on the base unit.

The telephone beeps again to confirm that the code has been successfully programmed.

Notes

- A prolonged power failure will erase the digital security code. To reprogram, place the handset on the base unit with the handset in the RING ON mode.
- Five short error beeps give warning if you press any number other than 001 to 299 (such as 300). In this case, start from the beginning.

Making Telephone Calls



1 Pick up the handset from the base unit.

2 Press TALK.

The multi-indicator lamps scan. After the multi-indicator lamps stop scanning, TALK and dialing buttons light. Confirm the dial tone.

If the handset beeps five times after you press TALK, you are too far away from the base unit. Move the handset closer to the base unit to improve reception.

3 Dial the number.

Talk when your party answers.

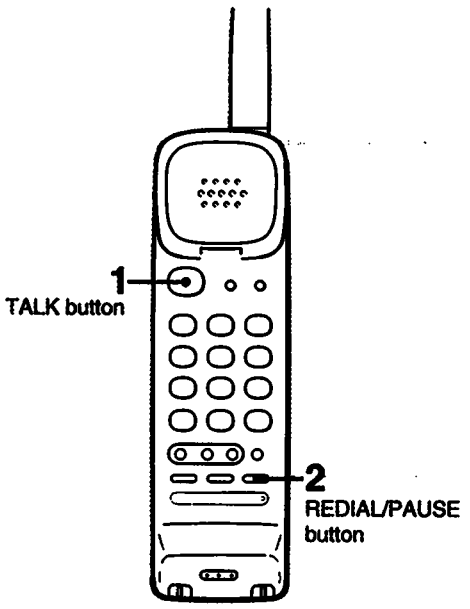
If you move too far from the base unit while conversing, you will hear a lot of interference or the out of range alarm will beep every second. Immediately move closer to the base unit to improve reception otherwise the call will be automatically disconnected after 15 seconds. Reception will improve and the out of range alarm will stop when you are within range of the base unit.

4 After you finish the call, press TALK again to disconnect the line.

The TALK button lamp goes off. You can also disconnect the line by replacing the handset on the base unit.

If you want to disconnect the line and immediately make another call , press FLASH instead of TALK in step 4. Then dial the new number.

Redialing a Number



If the line is busy when you call someone, or you want to call someone you just called, there is no need to redial the number again manually. The REDIAL button automatically redials the most recently dialed number.

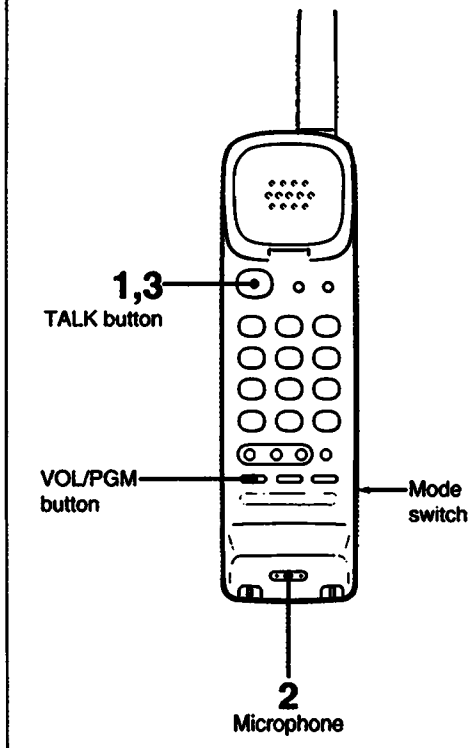
1 Press TALK.

2 Press REDIAL/PAUSE.

Redialing only works for the last number you called. You can use this feature to redial numbers up to 32 digits long.

Note

You can also use the REDIAL/PAUSE button to keep numbers you just called confidential. Simply press REDIAL/PAUSE twice after finishing a call. This will erase the number you just called from the redial memory.



1 When the phone rings lift the handset from the base unit. Then press TALK.

The TALK button blinks when you receive a call. If the handset is set to BATTERY SAVE, it won't ring when you get a call.
Only the base unit will ring (SPP-97 only).

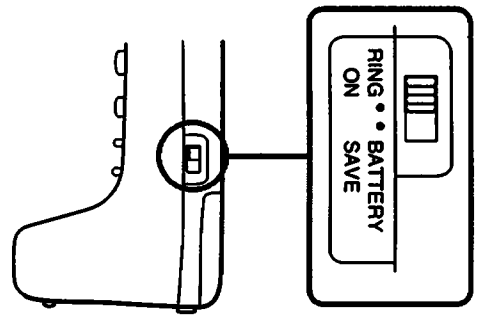
2 Speak into the microphone.

3 After you finish the call, press TALK again to disconnect the line.

You can also disconnect the line by replacing the handset on the base.

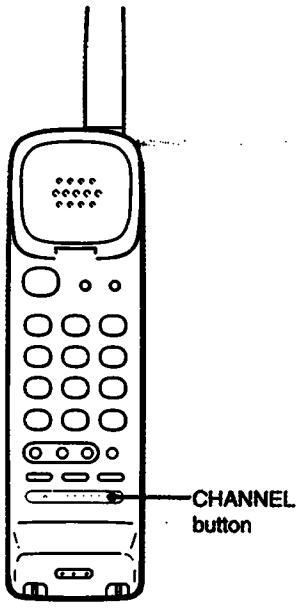
To adjust the volume level of the handset
Adjust the volume through the handset during conversation. High or low volume can be selected by pressing VOL/PGM successively. Normally, you should use the high setting.

To select the ringer mode
Use the mode switch.
RING ON: Normal standby mode. The handset will ring on an incoming call.
BATTERY SAVE: The handset does not ring on an incoming call, which prolongs the battery duration. You can still make and receive calls.



THE HANDSET WILL NOT RING ON AN INCOMING CALL WHEN SET TO THE BATTERY SAVE MODE.

Improving Reception



Do the following procedure to improve reception if there is a lot of interference noise when you make or receive telephone calls.

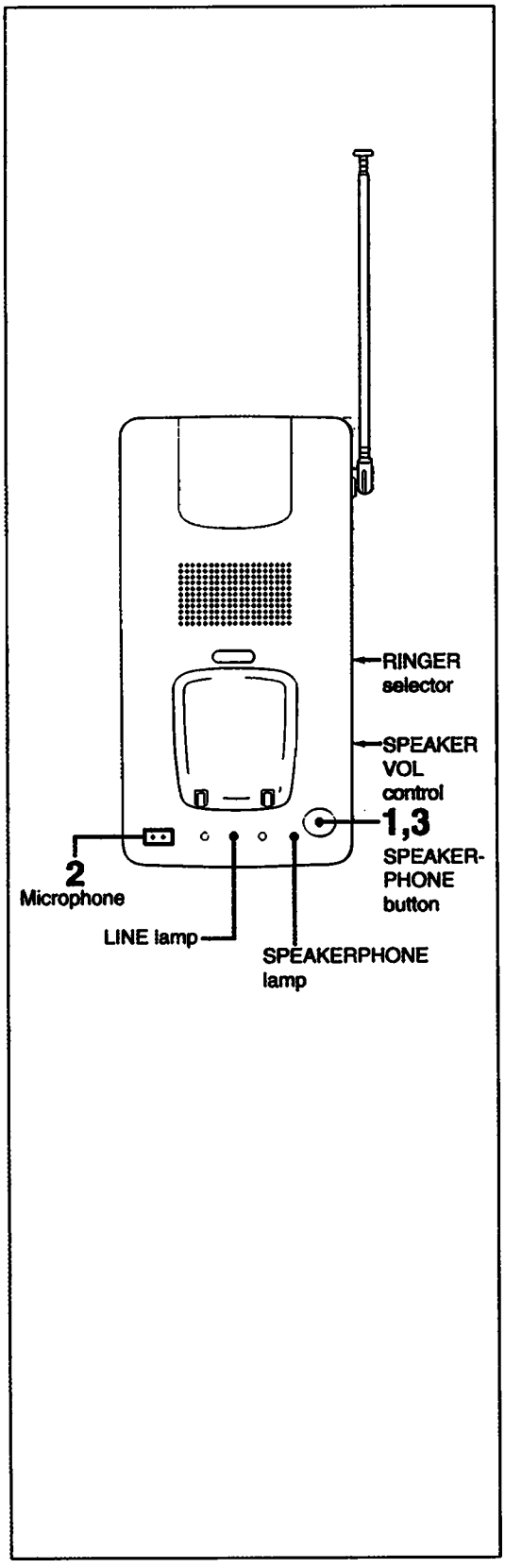
1 Move the handset closer to the base unit.

Many times, reception can be improved by simply moving the handset closer to the base unit.

2 If noise still persists, press CHANNEL to select a better channel.

IMPORTANT!
Before pushing CHANNEL, make sure you first try moving closer to the base unit in order to improve reception. If you press CHANNEL when the handset is too far from the base unit, the line may be disconnected. In this case, place the handset on the base unit with the handset in the RING ON mode.

Receiving Calls on the Base Unit *(SPP-97 only)*



1 When the phone rings press SPEAKERPHONE on the base unit.

The LINE and SPEAKERPHONE lamps light.

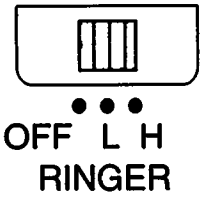
2 Speak into the microphone on the base unit.

3 After you finish the call, press SPEAKERPHONE again to disconnect the line.

The LINE and SPEAKERPHONE lamps go off.

To adjust the volume of the base unit speaker
Use the SPEAKER VOL control.

To adjust the ringer sound level
Select H (high), L (low) or OFF using the RINGER selector of the base unit.



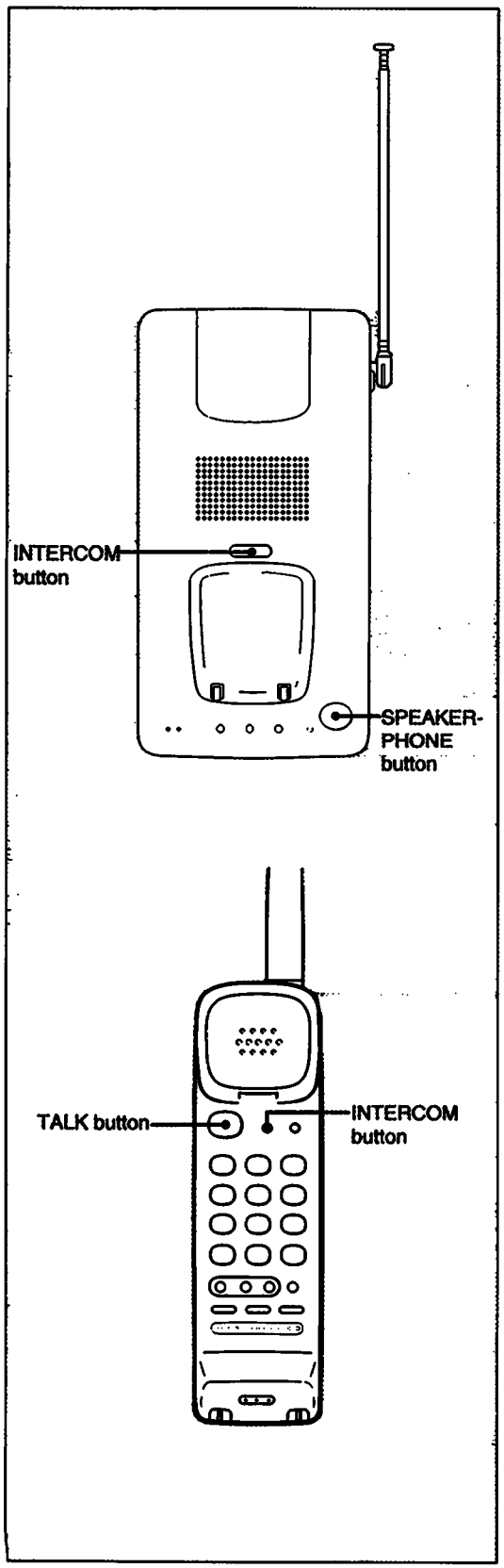
Note

The handset rings even if the RINGER selector of the base unit is set to OFF.

For best speakerphone results

- You may not be able to hear the other person's voice in a noisy place. Use the speakerphone in a quiet room.
- Do not bring your hand or other object too close to the microphone. This will result in a shrill noise (howling).
- When speaker volume is loud, or the telephone has been placed close to a wall, you may find that the volume drops suddenly. This is due to a circuit in the telephone designed to protect against howling. In such cases, lower the volume slightly.

Transferring Calls Between Phones *(SPP-97 only)*



Transferring Calls from the Base Unit to the Handset

1 **Ask the other party to wait.**

2 **Press INTERCOM on the base unit.**

This puts the call on hold.

3 **When the handset rings, press TALK.**

4 **If you want, you can also communicate between the handset and base unit at this time.**

If there is no answer at the handset, press INTERCOM on the base unit again to take the other party off hold.

5 **Press SPEAKERPHONE.**

The call is transferred to the handset.

Note

Make sure you press TALK before you press SPEAKERPHONE. If you press SPEAKERPHONE first, the call will be disconnected.

Transferring Calls from the Handset to the Base Unit

1 **Ask the other party to wait.**

2 **Press INTERCOM on the handset.**

This puts the call on hold.

3 **When the base unit rings, press SPEAKERPHONE.**

4 **If you want, you can also communicate between the handset and the base unit at this time.**

If there is no answer at the base unit, press INTERCOM on the handset again to take the other party off hold.

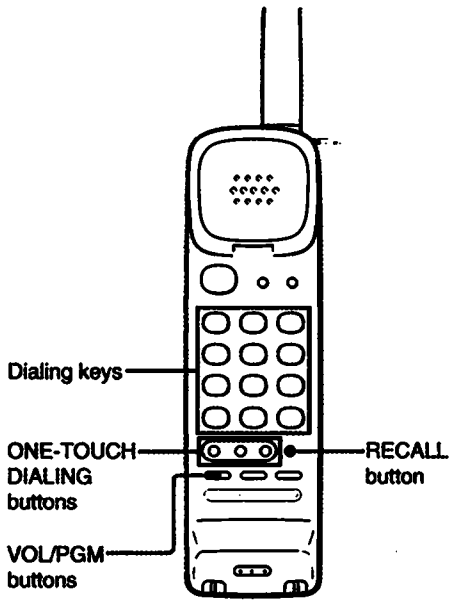
5 **Press TALK on the handset.**

The call is transferred to the base unit.

Note

Make sure you press SPEAKERPHONE before you press TALK. If you press TALK first, the call will be disconnected.

Memory Dialing



Memory dialing allows you to assign an entire telephone number to a single dialing button. When you want to dial the number, simply press the button under which you programmed the number.

Programming Telephone Numbers for Memory Dialing

You can program up to 13 telephone numbers for memory dialing: three under the ONE-TOUCH DIALING buttons (A-C), and ten under the dialing keys (0 to 9). Each number can be up to 16 digits long. (Pauses and tones count as one digit and cannot be entered before a number.)

1 Press VOL/PGM.

One of the multi-indicator lamps blinks slowly.

2 If you want to program a number under a ONE-TOUCH DIALING button (A-C), press the appropriate button.

or

If you want to program a number under a dialing keys (0-9), press RECALL. Then press the appropriate button.

The alarm sounds and the indicator goes off.

If a number is already registered under the button you choose, it will be replaced by the new number you are programming.

3 Enter the telephone number that you want to program.

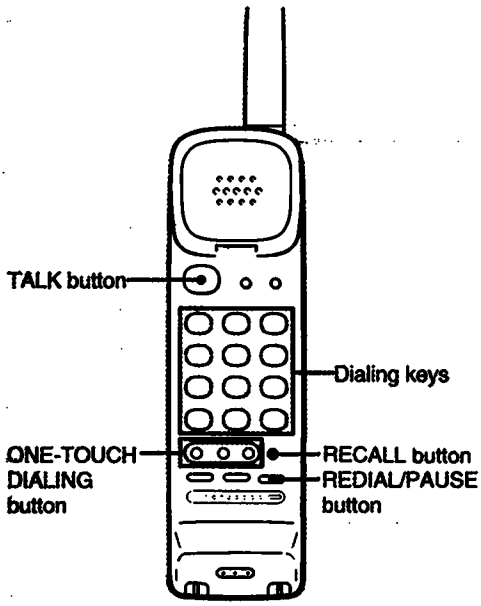
The multi-indicator lamps light to correspond to the numbers that you enter. If you try to enter a telephone number longer than 16 digits, the telephone beeps and the operation ends. You then have to start over again from step 1.

4 Press VOL/PGM to end the procedure.

The telephone beeps to show that the number has been successfully programmed.

Notes

- If you pause and don't make any entries for more than 20 seconds, the telephone automatically stops the operation. Then start over again from step 1.
- If you make a mistake at any point in the procedure, press VOL/PGM. Then start over again from step 1.



Using Memory Dialing

After programming telephone numbers for memory dialing, use the following procedure to dial a number.

1 **Press TALK. Then wait for the indicators to stop blinking and until you hear the dial tone.**

If the handset beeps five times after you press TALK, you are too far away from the base unit. Move the handset closer to the base unit to improve reception.

2 **If you want to dial a number programmed under the ONE-TOUCH DIALING buttons (A-C), press the appropriate button.**

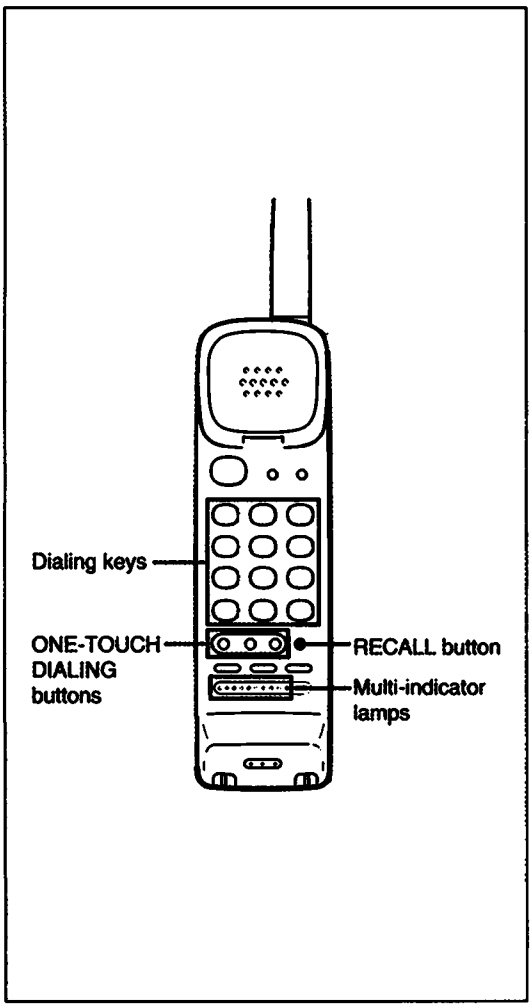
or

If you want to dial a number programmed under a dialing keys (0-9), press RECALL. Then press the appropriate dialing button.

If there is no number programmed under the button, the telephone beeps five times.

To change a programmed number
Program a new number using the procedure above. The old number will be erased automatically.

To program numbers connected to a PBX
Enter a pause in the correct place when programming the number. To enter a pause, press REDIAL/PAUSE.

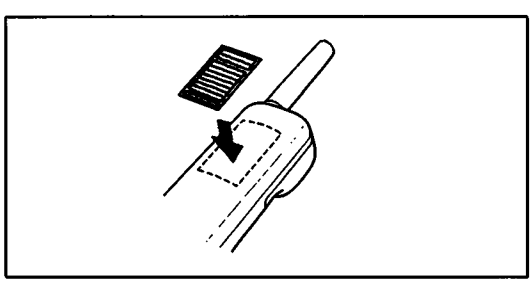


Confirming Phone Number Programmed into One-touch and Speed Dialing Memory

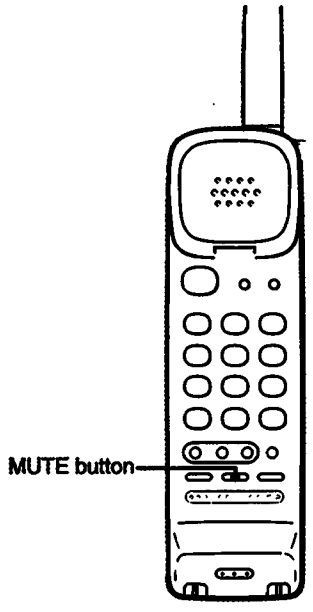
ONE-TOUCH DIALING buttons (A to C)
Press ONE-TOUCH DIALING which you wish to confirm (A to C).
The multi-indicator lamps corresponding to the programmed digits light up one by one.

Speed dialing buttons (0 to 9)

1 Press RECALL.
2 Press the dialing keys for the speed dialing memory which you wish to confirm.
The multi-indicator lamps corresponding to the programmed digits light up one by one.
(Mulit-indicator lamps 1 and 10 light for the [*] key, 2 and 10 light for the [#] key, and 4 and 10 light for the [REDIAL/PAUSE] key.)



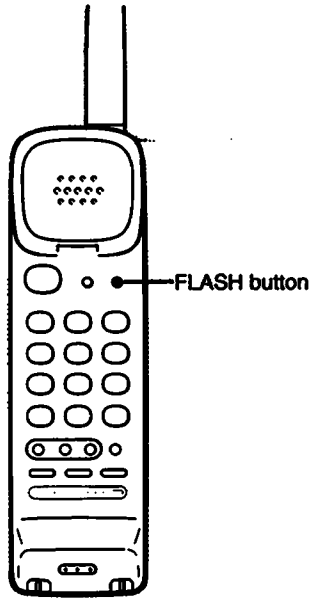
To keep a directory of what you programmed
Write down the names of the persons or place whose numbers you have programmed on the supplied code table label and stick it on the rear of the handset.



Preventing the Other Party from Hearing You

To keep yourself from being heard by the other party, press MUTE. The multi-indicator lamp blinks to show that the mute feature is on. You will be able to hear the other party, but they won't be able to hear you.

To resume the conversation, press MUTE again.



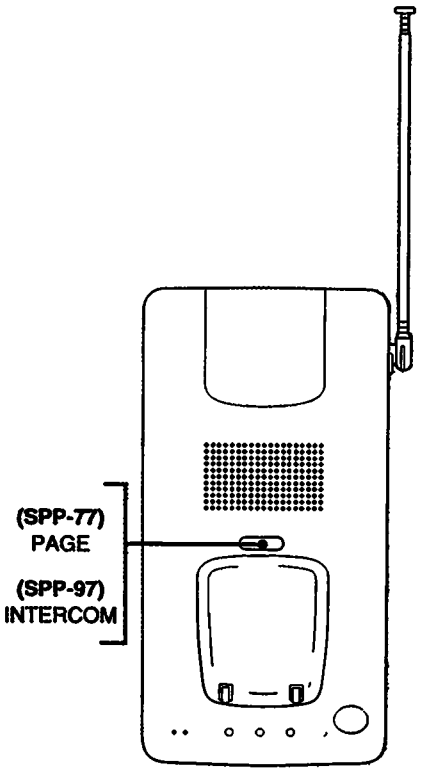
Using Call Waiting

(*For users with call waiting service only.*)

To switch between callers when there are two callers wishing to talk with you, press FLASH. Each time you press FLASH, the telephone switches between callers.

Note

If you do not have this service, the line will be disconnected when FLASH is pressed.



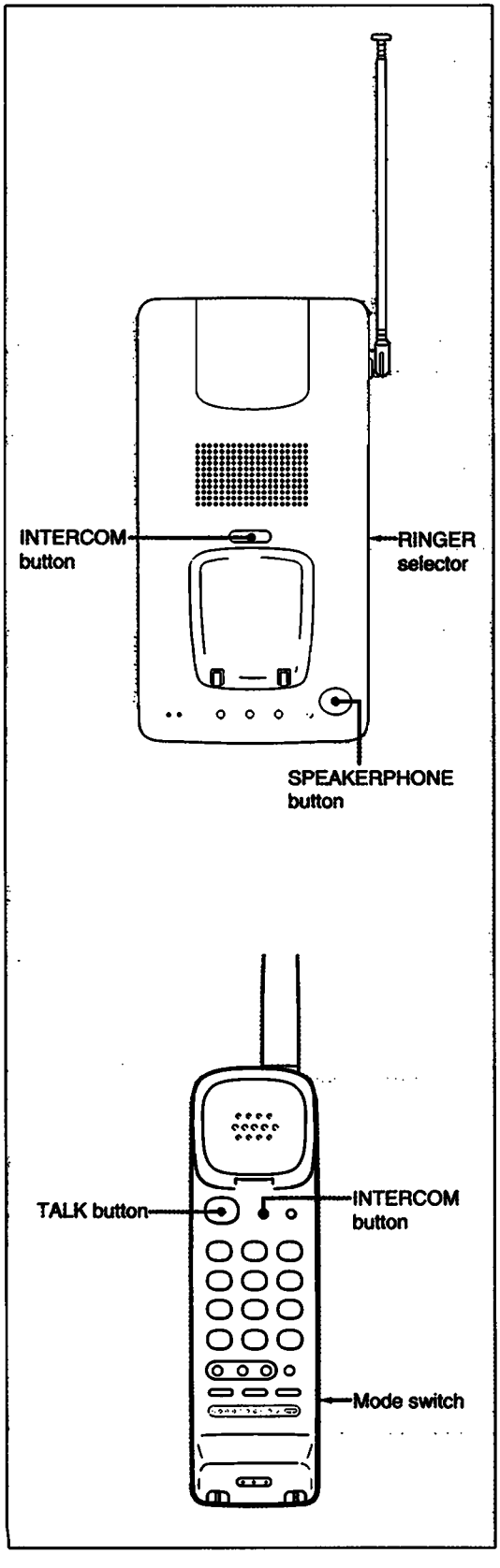
(SPP-77)
To ring the handset from the base unit, press PAGE on the base unit. The handset continues to ring as long as you hold down PAGE.

(SPP-97)
To ring the handset from the base unit, press INTERCOM on the base unit. The handset continues to ring until you press INTERCOM again. The intercom rings when you page the handset even if the RINGER selector is set to OFF.

Note

The handset will not ring if the mode switch is set to BATT SAVE or the battery is dead.

Using the Phone as an Intercom *(SPP-97 only)*



To Call the Handset from the Base Unit

The mode switch on the handset must be set to RING ON.

1 **Press INTERCOM on the base unit.**

2 **When the handset rings, press TALK.**

3 **You can talk between the base unit and the handset.**

4 **To disconnect**
On the handset: Press TALK again.
On the base unit: Press SPEAKERPHONE.

To Call the Base Unit from the Handset

1 **Press INTERCOM on the handset.**

2 **When the base unit rings, press SPEAKERPHONE.**

3 **You can talk between the base unit and the handset.**

4 **To disconnect**
On the base unit: Press SPEAKERPHONE again.
On the handset: Press TALK.

In case of intercom, the base unit rings even if the RINGER selector of the base unit is set to OFF.

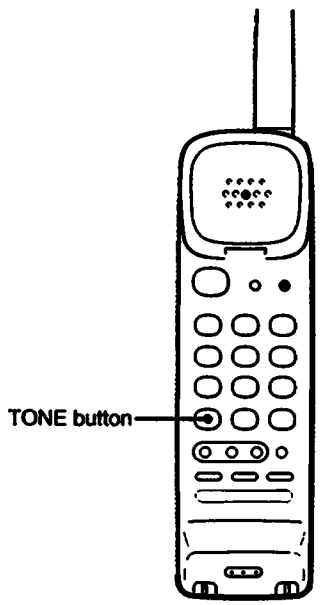
If You Receive an Incoming Call During Intercom

When a call comes in, the base unit rings.

To answer the call on the base unit
Press TALK on the handset to disconnect intercom.

To answer the call on the handset
Press SPEAKERPHONE on the base unit to disconnect intercom.

Sending Tone Signals *(For pulse dialing telephone users)*



This feature allows persons who are connected to a pulse dialing system to temporarily send tone signals. This is useful when you want to access various on-line telephone services and long-distance services such as MCI and Sprint.

These on-line services require that you enter information by sending tone signals from your telephone. By setting the telephone to send tone signals, you can take advantage of these convenient services even if you are connected to a pulse dialing system.

Note

If your phone is connected to a tone dialing system, you won't have to do this procedure, as the telephone is already set to send tone signals.

1 Call the on-line service.

For details on making calls, see page 14.

2 After you connect with the service, press TONE.

This switches the telephone to temporarily send tone signals.

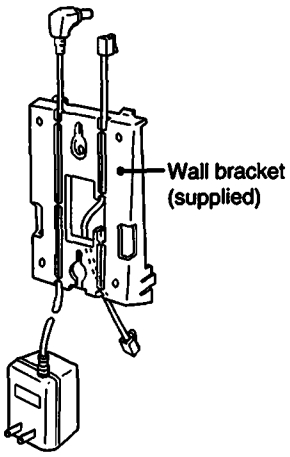
3 Follow the instructions of the on-line service.

Instructions vary between different on-line services, but they will all ask you to enter certain numbers from the handset of your phone.

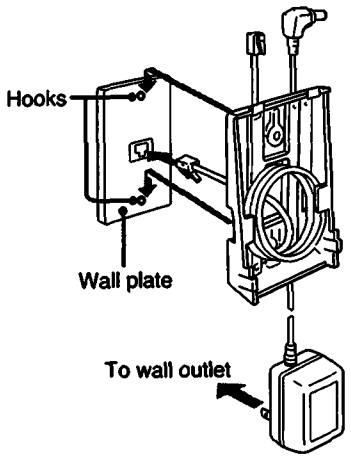
After you press TALK to disconnect the call, the telephone returns to normal pulse dialing. If you want to call another on-line service, you have to do this procedure over again from the beginning.

Mounting Your Phone on the Wall

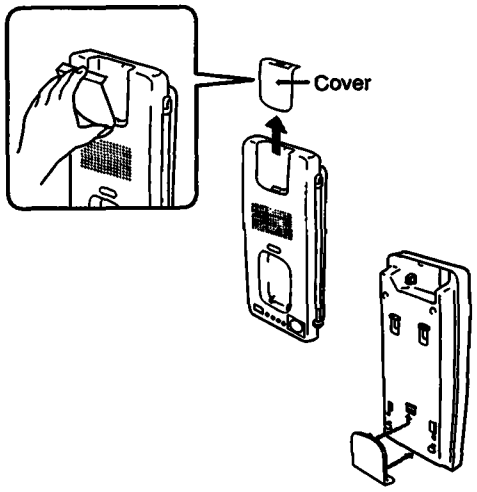
1 **Attach the AC adaptor cord and the telephone line cord to the wall bracket.**



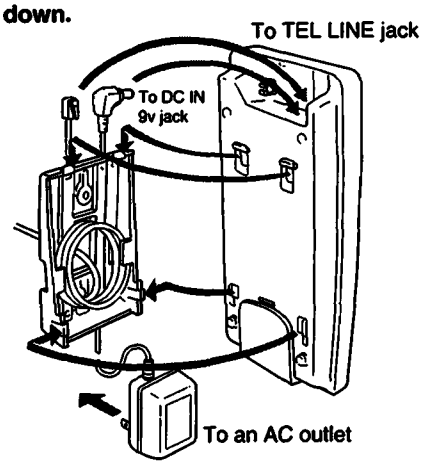
2 **Hook the bracket to the hooks on the wall plate. Store the extra cord inside the wall bracket as shown in the illustration.**



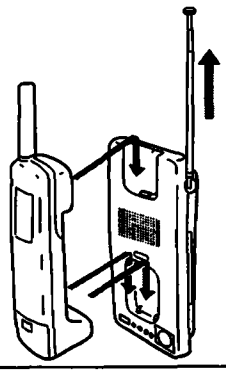
3 **Remove the cover from the top of the base unit. Then attach it to the rear of the base unit.**



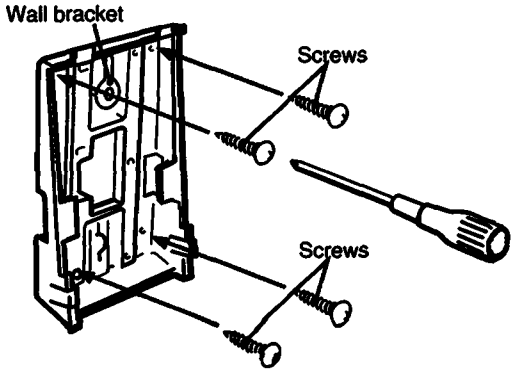
4 **Align the slots on the base unit with the inserts on the bracket. Then attach the base unit to the bracket by gently pushing down.**



5 **Place the handset on the base unit. Then extend the antenna fully.**



In step 2, if you cannot hook the bracket, attach it directly to the wall. Use the supplied screws.



Specifications

SPP-77

General	
Frequency control	Crystal-controlled PLL
Operation mode	FM, duplex
Operating frequency	46 MHz/10 channel 49 MHz/10 channel
Supplied accessories	AC power adapter (AC-T37) (1) Telephone line cord (1) BP-T40 rechargeable battery pack (1) Wall bracket and screws (1 set) Code table (1)
Handset	
Power source	Rechargeable battery pack
Battery duration	Approx. 7 days when set to RING ON Approx. 2 months when set to BATTERY SAVE
Dimensions	Approx. 58 mm (W) x 201 mm (L) x 70 mm (D), not counting antenna (Approx. 2 1/4 in. x 8 in. x 2 3/4 in.)
Antenna length	72 mm (2 3/4 in.)
Mass	Approx. 315 g (including battery) (11 1/8 oz.)
Base unit	
Power source	DC 9V from AC power adaptor
Dimensions	Approx. 118 x 37 x 229 mm (W/H/D), not counting antenna (Approx. 4 3/4 x 1 1/2 x 9 in.)
Mass	Approx. 353 g (12 1/2 oz.)

SPP-97

General	
Frequency control	Crystal-controlled PLL
Operation mode	FM, duplex
Operating frequency	46 MHz/10 channel 49 MHz/10 channel
Supplied accessories	AC power adapter (AC-T37) (1) Telephone line cord (1) BP-T40 rechargeable battery pack (1) Wall bracket and screws (1 set) Code table (1)
Handset	
Power source	Rechargeable battery pack
Battery duration	Approx. 7 days when set to RING ON Approx. 2 months when set to BATTERY SAVE
Dimensions	Approx. 58 mm (W) x 201 mm (L) x 70 mm (D), not counting antenna (Approx. 2 1/4 in. x 8 in. x 2 3/4 in.)
Antenna length	72 mm (2 3/4 in.)
Mass	Approx. 315 g (including battery) (11 1/8 oz.)
Base unit	
Power source	DC 9V from AC power adaptor
Dimensions	Approx. 118 x 37 x 229 mm (W/H/D), not counting antenna (Approx. 4 3/4 x 1 1/2 x 9 in.)
Mass	Approx. 395 g (14 oz.)

Design and specifications are subject to change without notice.

Troubleshooting

If you are experiencing problems with the telephone, first check the following items.

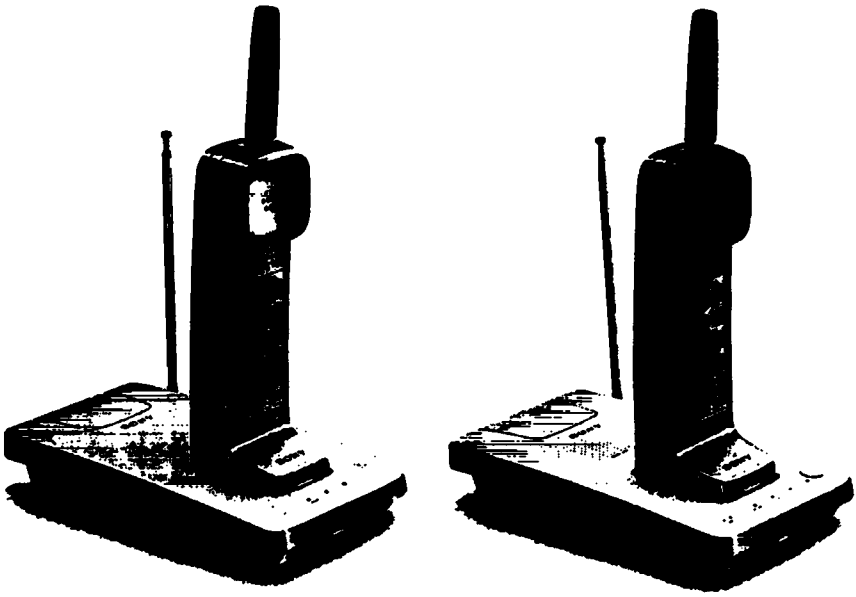
Symptoms	Cause	Remedy
When you press TALK, you hear five short beeps and the two indicator lamps at the far left blink and then go off.	Reception may be weak or subject to interference.	• Extend the antenna vertically. • Move the handset closer to the base. • Move the base away from sources of potential noise.
	The battery may be weak.	• Charge the battery for at least 10 hours (see page 10).
	The security code may have been erased.	• Program the security code again (see page 13).
You can hear interference when making or receiving calls.	The antenna may not be extended all the way.	• Extend the antenna all the way.
	The handset may be too far from the base.	• Move the handset closer to the base.
	You may be picking up interference from noise source.	• Press CHANNEL to improve reception (see page 17). • Move the base away from the source of the noise source.
The telephone beeps five times when you dial a number.	The handset may be too far from the base.	• Move the handset closer to the base. • Move the base unit away from the noise source.
The handset does not ring.	The mode switch may be set to BATTERY SAVE.	• Set the mode switch to RING ON (see page 16).
	The battery may be weak.	• Charge the battery for at least 10 hours (see page 10).
	The antenna may not be extended all the way.	• Extend the antenna all the way.
	The handset may be too far from the base.	• Move the handset closer to the base.
	You may be picking up interference from noise source.	• Change CHANNEL to improve reception (see page 17). • Move the base away from the noise source.
You reached the wrong number, or you were not connected at all despite having dialed the correct number.	• The security code may have been erased. • The DIAL MODE setting may be incorrect.	• Program the security code again (see page 13). • Make the correct setting (see page 12).
Memory dialing does not operate.	You may have not programmed a phone number correctly.	• Check if there is a phone number correctly programmed for one-touch dialing or the speed dialing location you pressed (see page 22).

Symptoms	Cause	Remedy
You cannot redial.	The telephone may not be correctly set for the type of dialing in your area (either tone or pulse).	• Set the DIAL MODE selector to correspond to the setting in your area (see page 12).
	The last number you dialed may have been more than 32 digits long.	• You cannot redial numbers that are longer than 32 digits.
	The last number you called may be different than the one you intended to redial.	• If in doubt about the number that is stored in the redial memory, dial the number manually (see page 14).
The handset does not ring when you call it from the base.	The battery may be weak.	• Charge the battery for at least 10 hours (see page 10).
	The antenna may not be extended all the way.	• Extend the antenna all the way. • Move the handset closer to the base.
	The handset may be too far from the base.	• Move the handset closer to the base.
	You may be picking up interference from radio signals.	• Move the base away from sources of potential interference (radios, televisions, computers, etc.).
	The ringer may be turned off.	• Set the mode switch to RING ON (see page 16).
The telephone beeps every second (out of range alarm) during telephone calls.	The handset may be too far from the base.	• Move the handset closer to the base within 15 seconds of first hearing the beep.
The telephone beeps every 3 seconds.	The battery may be weak.	• Charge the battery for at least 10 hours (see page 10).
You cannot make a call or use the phone as an intercom.	The security code may have been erased.	• Program the security code again (see page 13).
	The security code for the handset and the base may be different.	• Replace the handset on the base unit.
When you press TALK, INTERCOM, or SPEAKERPHONE, the handset or base beeps intermittently.	Either the handset or the base has received a call.	• Wait until the call is over before trying to do another operation with the telephone.
No dial tone.	• The telephone line cord may not be plugged in. • The handset battery may be weak or completely discharged.	• Plug the telephone line cord securely into the telephone jack. • Charge the battery for at least 10 hours (see page 10).

3-756-014-41 (3)

Cordless Telephone

SPP-77/97



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